

500301 - AC101 High - 44U -  
1/20/89  
LPC# 1230000000 - Marshall  
Henry Public Well No. 3  
ILD984766394

RECEIVED

JAN 4 - 1989

Pre-Remedial  
Unit

State  
Lead

# CERCLA Preliminary Assessment Report



Illinois Environmental  
Protection Agency  
P.O. Box 19276,  
Springfield, IL 62794-9276

This Document may contain confidential information.

EPA Region 5 Records Ctr.



328178

LPC#1230000000  
Henry Public Well No. 3  
ILD984766394

December 2, 1988

### Executive Summary

The Henry Public Well #3 (HPW-3) is one of three wells that supply drinking water to the City of Henry (pop.: 2740). The well is located approximately 1620 ft. N and 1080 ft. W of the SE corner of Section 16, T13N-R10E, Marshall County.

HPW-3 was drilled in 1936 by Mike Schwidersh and was completed in a sand and gravel alluvium aquifer at a depth of 62 feet. This section is underlain by Pennsylvanian-age bedrock. The well was cased with a 12-inch pipe to a depth of 48 feet. This section is followed by a 14 foot No. 30 slot screen.

Results from three quarterly collected water samples indicate HPW-3 is contaminated with an unidentified compound with concentrations ranging from 18ppb to 200ppb.

<u>Date</u>	<u>Parameter</u>	<u>Concentrations</u>
2/1/88	2-butene (tentatively identified)	18ppb
	unidentified compound	145ppb
5/16/88	unidentified compound	87ppb
9/30/88	unidentified compound	200ppb

A wellhead survey conducted by IEPA, Division of Public Supply, indicates that several abandoned underground storage tanks exist within a 1000 ft. radius of the site. On November 17, 1988, IEPA personnel, Division of Land Pollution, conducted a site visit at Henry Public Well #3. The purpose of the visit was to inspect well-site security and any obvious potential sources of contamination. The well was cased by a secure locked concrete building and appeared not to be operating at the time of the inspection. Two underground storage tanks are located on the City Water Works property and are currently utilized for fuel supplies. The remaining area is largely commercial with a few scattered small industries.

Henry Public Well No. 3 has been assigned a high priority for a site inspection. This decision is a result of contamination detected in the groundwater and the large population potentially affected.



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

ILD 984766394

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

HENRY PUBLIC WELL # 3

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

1620 FT NORTH AND 1080 FT WEST OF THE SE CORNER OF SECTION 16, T13N-R10E

03 CITY

HENRY

04 STATE

05 ZIP CODE

06 COUNTY

IL

61537

MARSHALL

07 COUNTY CODE

123

08 CONG DIST

17

09 COORDINATES LATITUDE

41° 06' 30" 0

LONGITUDE "

089 21 20.0

10 DIRECTIONS TO SITE (Starting from nearest public road)

TAKE RT 18 (SCHOOL ST) WEST ACROSS THE ILLINOIS RIVER INTO HENRY, GO LEFT ON FRONT STREET 1 BLOCK TO EDWARDS STREET, GO LEFT ON EDWARDS ONE BLOCK AND THE CITY WATER WORKS IS ON THE CORNER OF EDWARDS AND PROMENADE ST.

III. RESPONSIBLE PARTIES

01 OWNER (If known)

VILLAGE OF HENRY

02 STREET (Business, mailing, residential)

426 EAST PARK

03 CITY

HENRY

04 STATE

05 ZIP CODE

06 TELEPHONE NUMBER

IL

61537

(309) 364-3056

07 OPERATOR (If known and different from owner)

HENRY PUBLIC WORKS

08 STREET (Business, mailing, residential)

426 EAST PARK

09 CITY

HENRY

10 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

IL

61537

(309) 364-3056

13 TYPE OF OWNERSHIP (Check one)

☐ A. PRIVATE ☐ B. FEDERAL:

(Agency name)

☐ C. STATE

☐ D. COUNTY

☒ E. MUNICIPAL

☐ F. OTHER:

(Specify)

☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: MONTH DAY YEAR

☐ B. UNCONTROLLED WASTE SITE (RCRA 103 c) DATE RECEIVED: MONTH DAY YEAR

☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☐ YES

DATE

MONTH DAY YEAR

☒ NO

BY (Check all that apply)

☐ A. EPA

☐ B. EPA CONTRACTOR

☐ C. STATE

☐ D. OTHER CONTRACTOR

☐ E. LOCAL HEALTH OFFICIAL

☐ F. OTHER:

(Specify)

CONTRACTOR NAME(S):

02 SITE STATUS (Check one)

☒ A. ACTIVE

☐ B. INACTIVE

☐ C. UNKNOWN

03 YEARS OF OPERATION

1936

1 Present

☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

ORGANICS: (TOXIC AND PERSISTANT)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

GROUNDWATER (POPULATION, ENVIRONMENT)

SURFACE WATER (ENVIRONMENT)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☒ A. HIGH

(Inspection required promptly)

☐ B. MEDIUM

(Inspection required)

☐ C. LOW

(Inspect on time available basis)

☐ D. NONE

(No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT

DAN Zeigler

02 OF (Agency/Organization)

CITY OF HENRY

03 TELEPHONE NUMBER

(309) 364-3056

04 PERSON RESPONSIBLE FOR ASSESSMENT

John W. MORGAN

05 AGENCY

IEPA

06 ORGANIZATION

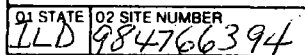
RPMS

07 TELEPHONE NUMBER

1217782-6760

08 DATE

12/12/88  
MONTH DAY YEAR



I HIGHLY VOLATILE  
J EXPLOSIVE  
K REACTIVE  
L INCOMPATIBLE  
M NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
ILD 984766394

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☒ OBSERVED (DATE 2/1/88) POTENTIAL ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 2740 04 NARRATIVE DESCRIPTION 5/16/88, 9/30/88  
RESULTS FROM THREE QUARTERLY COLLECTED WATER SAMPLES INDICATE THAT HENRY PUBLIC WELL #3 IS CONTAMINATED WITH AN UNIDENTIFIED COMPOUND WITH CONCENTRATIONS RANGING FROM 18PPB TO 200PPB.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: ) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION  
HENRY PUBLIC WELL #3 IS LESS THAN A 100 YARDS FROM THE ILLINOIS RIVER. THE WELL IS COMPLETED IN A SHALLOW SAND AND GRAVEL AQUIFER (30 FT.) AND SHOULD THE DISCHARGE AREA BE TOWARD THE EAST, THE ILLINOIS RIVER HAS THE POTENTIAL TO BECOME CONTAMINATED.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: ) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION  
UNKNOWN

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: ) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION  
UNKNOWN

01 ☒ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: ) ☐ POTENTIAL ☒ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 2740 04 NARRATIVE DESCRIPTION  
DIRECT CONTACT IS ALLEGED THROUGH DIRECT INJECTION OF CONTAMINATED WELL WATER.

01 ☐ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: ) ☐ POTENTIAL ☐ ALLEGED  
03 AREA POTENTIALLY AFFECTED: (Acres) 04 NARRATIVE DESCRIPTION  
UNKNOWN

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE 2/1/88, 5/16/88) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 2740 04 NARRATIVE DESCRIPTION 9/30/88  
HENRY PUBLIC WELL #3 SUPPLIES DRINKING WATER TO THE CITY OF HENRY.

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: ) ☐ POTENTIAL ☐ ALLEGED  
03 WORKERS POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION  
UNKNOWN

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: ) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION  
UNKNOWN



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
ILD 984766394

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☒ K. DAMAGE TO FAUNA

04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

Should the contaminated groundwater discharge into the Illinois River, the fish could be adversely effected.

01 ☐ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES

(Spills, runoff, standing liquids, leaking drums)

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☒ ALLEGED

04 NARRATIVE DESCRIPTION

IT IS ALLEGED THAT UNSTABLE CONTAINMENT OF WASTE IS THE REASON THE WELL IS CURRENTLY CONTAMINATED.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

Several underground storage tanks exist in the close proximity to the site.

III. TOTAL POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

IV. COMMENTS

ON November 17, 1988 the IEPA, Division of LAND conducted a site visit at the HENRY Public Well #3. SEE EXECUTIVE SUMMARY FOR DETAILS.

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

ALL INFORMATION OBTAINED FROM IEPA, Division of Public WATER Supply Files, AND Rick Cobb (Ground WATER section, IEPA, DPWS).

HENRY PUBLIC  
WELL No. 3,  
HENRY, IL.

SITE LOCATION



# SDMS US EPA Region V

## *Imagery Insert Form*

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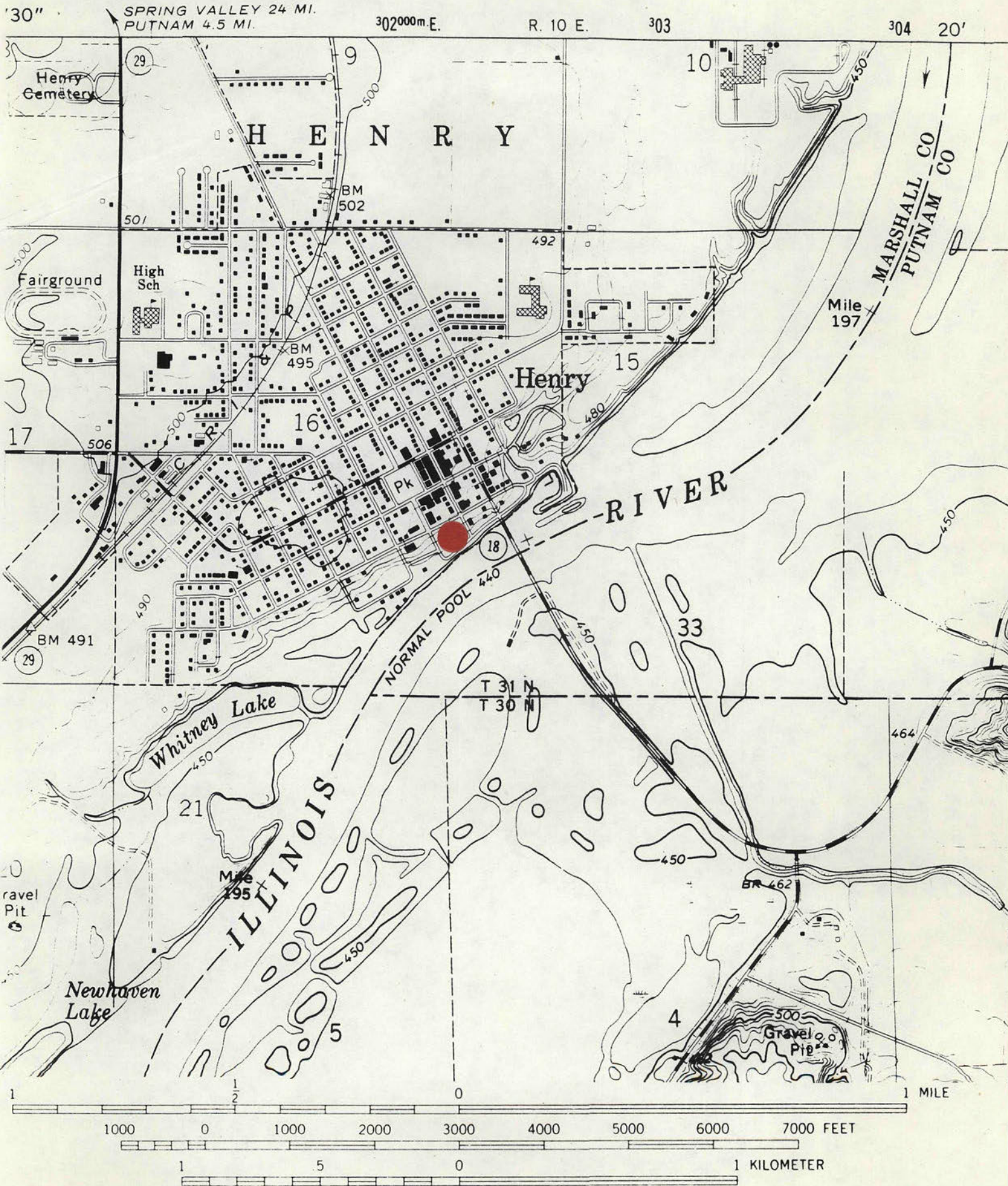
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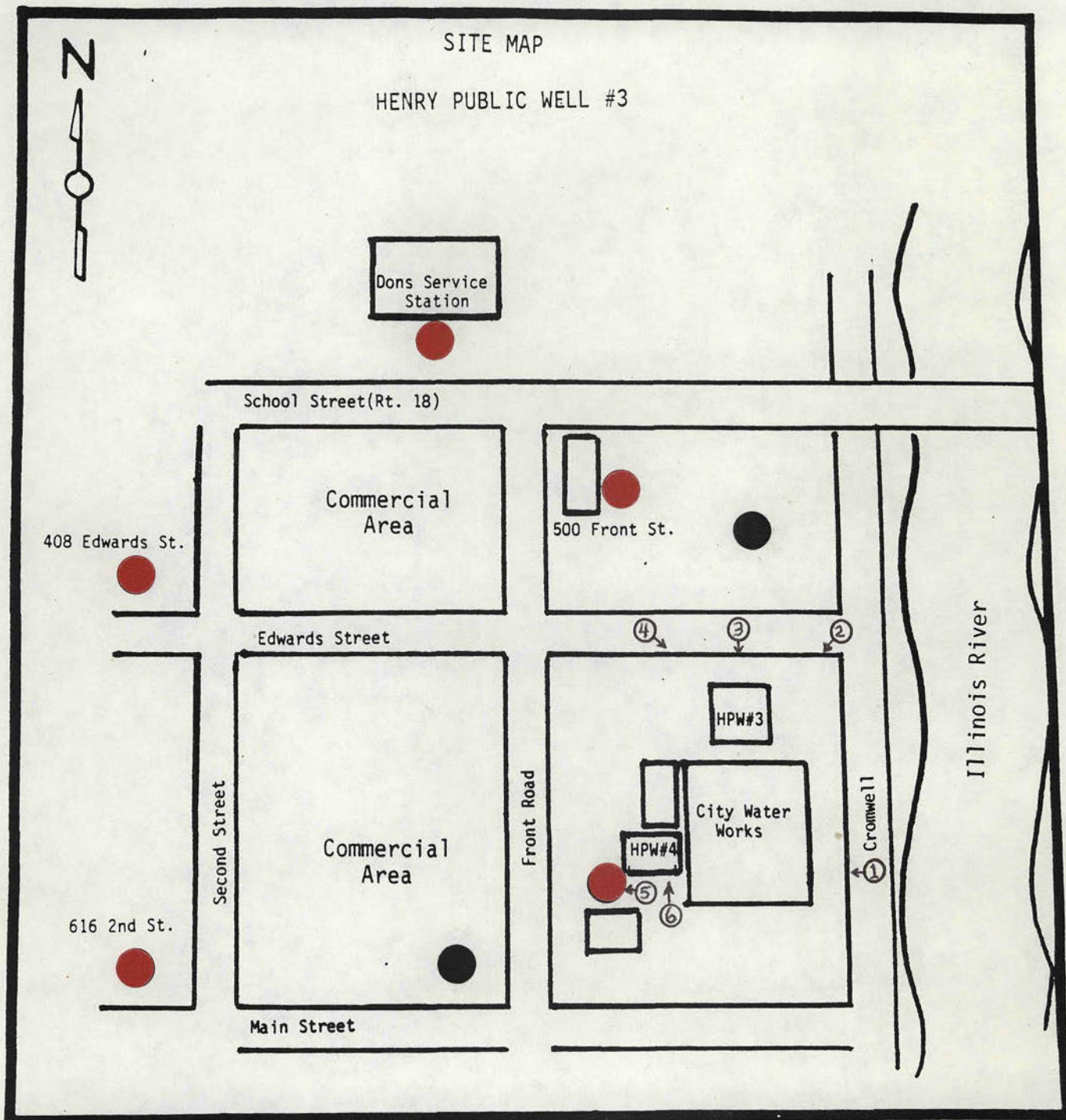
☐

**Other:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



CONTOUR INTERVAL 10 FEET  
DATUM IS MEAN SEA LEVEL



Source: IEPA, 1988

- Known Underground storage tank
- Potential Underground storage tank

Note: Sources Tentatively Identified

DATE: 11/17/88

TIME: 12:30 PM

Photograph by:

JOHN MORGAN

Location:

HENRY PUBLIC WELL #3  
WATER WORKS Building

Comments: Picture taken toward

(WEST) (#1)



DATE: 11/17/88

TIME: 12:33 PM

Photograph by:

JOHN MORGAN

Location: HPW #3

WATER WORKS Building

Comments: Picture taken toward

(SW) (#2)

SMALLER Brick  
Building Houses  
HPW#3



DATE: 11/17/88

TIME: 12:34 PM

Photograph by:

JOHN MORGAN

Location:

HENRY PUBLIC WELL #3  
WATER WORKS Building

Comments: Picture taken toward

(SOUTH) (#3)

SMALLER Building  
HOUSES HPW #3



DATE: 11/17/88

TIME: 12:35 PM

Photograph by:

~~HE~~ JOHN MORGAN

Location: HPW #3

Comments: Picture taken toward

(SE) (#4)



DATE: 11/17/88

TIME: 12:46 PM

Photograph by:

JOHN MORGAN

Location:

HENRY PUBLIC WELL #3  
PUBLIC WATER WORKS

Comments: Picture taken toward

(WEST) (#5)

AREA OF ON-SITE  
UNDERGROUND  
STORAGE TANKS



DATE: 11/17/88

TIME: 12:50 PM

Photograph by:

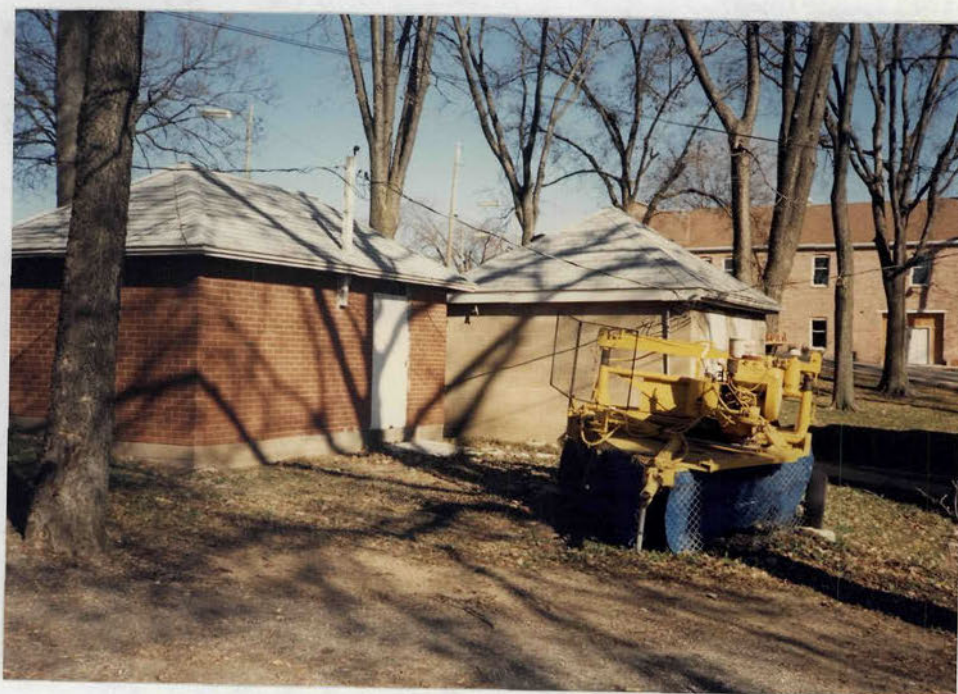
JOHN MORGAN

Location: HPW #3  
PUBLIC WATER WORKS

Comments: Picture taken toward

(NORTH) (#6)

HPW #4 AND  
TREATMENT Building



# Supporting Documentation

## SUPPORTING DOCUMENT REFERENCE SHEET

- DOCUMENT A      Memo summarizing the analytical lab results from water samples collected with an attached well-site survey.
- DOCUMENT B      A diagram illustrating the well construction design of Henry public wells 3 and 4.
- DOCUMENT C      An inventory of registered underground storage tanks in the City of Henry.

Source: IEPA, Division of Public Water Supply Files, and Division of Land Pollution Files (State Fire Marshal records).

DOCUMENT A



DATE: October 4, 1988

TO: Bob Clarke

FROM: Rick Cobb *RC*

SUBJECT: The Third Sample Analysis Taken From Henry Well #3  
Indicates An Increasing Contamination Level

RECEIVED

OCT 6 1988

IEPA-DLPC

The third quarterly analysis from Henry Well #3 received on 9/30/88 indicates the presence of an unidentified compound at 200 ppb. Previous analyses from Henry Well #3 are summarized in the following table:

<u>Date</u>	<u>Parameter</u>	<u>Concentrations</u>
2/1/88	2-butene (tentatively identified)	18 ppb
	unidentified compound	145 ppb
5/16/88	unidentified compound	87 ppb
9/30/88	unidentified compound	200 ppb

The attached draft well site survey indicates that there are several underground storage tanks in the immediate vicinity of the wellhead.

RPC:WEB:plc

cc: Roger Selburg  
Charlie Bell  
Tom Crause  
Steve Collantino

Attachment

## WELLHEAD SURVEY REPORT

SURVEYOR WHITESURVEY DATE 3-14-88

TOM MAUBACH  
426 EAST PARK  
HENRY, IL 61537

1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10

AGENCY WELL NO. 3 13101  
WELL NAME & DESC. WELL NO. 3 EAST WELL  
AT WATER WORKS

TAP 01

FACILITY NO. & NAME 1230050 HENRYFAC. PHONE CONTACT 309 / 364 / 2755GEOLOGIC SUSCEPTIBILITY RATING AXWELL DEPTH 62 AQUIFER CODE 0101 MULTIPLE TAP (Y,N) Y

SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: SURVEY AREA PREDOMINANTLY COMMERCIAL  
DOWNTOWN SECTION OF TOWN, AREA IS SLIGHTLY RESIDENTIAL. APPROXIMATELY ONE-THIRD OF  
OF SURVEY AREA IS THE ILLINOIS RIVER.

## INTERVIEW(S)

## NAME-ADDRESS-AFFILIATION-TELEPHONE NO.

TOM MAUBACH, 426 EAST PARK, HENRY IL SUPERINTENDENT, HENRY PUBLIC WORKS

MARGE HANKINS, 300 SCHOOL ST., HENRY, IL OWNER, DON'S SERVICE STATION

KEITH MOELLER, 500 FRONT ST., HENRY, IL OWNER, MOELLER'S AUTO REPAIR

BOB READ, 408 EDWARD HENRY, IL PARTNER, READ BROS., INC.

LOCATION:  
TWP,RNG,SECTION,10 ACRE PLOT

13N / 10E / 16 / 2C  
DISTANCE FROM CORNER

1620N1080W

QUAD SHEET CODE &amp; NAME:

078D HENRYMIN. SETBACK 400 FT.MAX. SETBACK        FT.AGE OF WELL 52

INVENTORY & SYNOPSIS OFFACILITY OR SITE WITHMIN.ZONE

PP=POTENTIAL  
 PS=POTENTIAL  
 RI=ROUTE  
 CC=CERTIFIED  
 XI=UNKNOWN

MIN.ZONE

TIAL PRIMARY  
 TIAL SECONDARY

IFIED  
 ON

WELL MAP  
 NO. CODE \*STATUS NA  
 C

DESCRIPTION AND COMMENTS

31301-01 GEITNE  
 PRE OR POST(Y,N) 610 21  
 DISTANCE AND HENRY  
 DIRECTION  
 550'NW

AUTO REPAIR

31301-02 JOHN V  
 PRE OR POST(Y,N) 605 F  
 DISTANCE AND HENRY  
 DIRECTION  
 320'NW

LAW OFFICE

31301-03 M&D P  
 PRE OR POST(Y,N) 616 2  
 DISTANCE AND HENRY  
 DIRECTION  
 500'NW

WAREHOUSE PRINTING OPERATION  
 MOVE TO ANOTHER SITE

31301-04 SAME  
 PRE OR POST(Y,N)  
 DISTANCE AND  
 DIRECTION  
 390'NW

BURIED FUEL TANK SIZE UNKNOWN

31301-05  
 PRE OR POST(Y,N) 607 F  
 DISTANCE AND HENRY  
 DIRECTION  
 320'NW

HOUSE

INVENTORY & SYNOPSIS OF UNIT(S) & ASSOCIATED FACILITY OR SITE WITH  
WELL 31301

\*STATUS KEY

MIN.ZONE

PP=POTENTIAL PRIMARY  
 PS=POTENTIAL SECONDARY  
 RI=ROUTE  
 CC=CERTIFIED  
 XI=UNKNOWN

OUTSIDE MIN.ZONE

OP=POTENTIAL PRIMARY  
 OS=POTENTIAL SECONDARY  
 OR=ROUTE  
 CC=CERTIFIED  
 OX=UNKNOWN

WELL NO.	MAP CODE *STATUS	NAME & ADDRESS OF UNIT OWNER	DESCRIPTION AND COMMENTS
31301-06 PRE OR POST(Y,N) — DISTANCE AND DIRECTION 450'NW		MIDWEST MECHANICAL CONTRACTING INC. 304 MAIN ST. HENRY, IL	EQUIPMENT AND MATERIAL STORAGE AND OFFICE
31301-07 PRE OR POST(Y,N) — DISTANCE AND DIRECTION 400'NW			INACTIVE WELL AT FORMER CREMERY
31301-08 PRE OR POST(Y,N) — DISTANCE AND DIRECTION 250'W		CITY OF HENRY 426 EAST PARK HENRY, IL	CITY POOL
31301-09-OR PRE OR POST(Y,N) — DISTANCE AND DIRECTION 630'W			INACTIVE WELL AT FORMER CREMERY
31301-10-PS PRE OR POST(Y,N) — DISTANCE AND DIRECTION 120'W		CITY OF HENRY 426 EAST PARK HENRY, IL	TWO 500 GALS. BURIED FUEL STORAGE TANKS

INVENTORY & SYNOPSIS OF UNIT(S) & ASSOCIATED FACILITY OR SITE WITH  
WELL 31301

\*STATUS KEY

MIN.ZONE

PP=POTENTIAL PRIMARY  
 PS=POTENTIAL SECONDARY  
 RI=ROUTE  
 CC=CERTIFIED  
 XI=UNKNOWN

OUTSIDE MIN.ZONE

OP=POTENTIAL PRIMARY  
 OS=POTENTIAL SECONDARY  
 OR=ROUTE  
 CC=CERTIFIED  
 OX=UNKNOWN

WELL NO.	MAP CODE	*STATUS	NAME & ADDRESS OF UNIT OWNER	DESCRIPTION AND COMMENTS
31301-11			CITY OF HENRY	ABANDON WELL NO. 2 ABANDONED 1975
PRE OR POST(Y,N)			426 EAST PARK	
DISTANCE AND DIRECTION			HENRY, IL	
75'SW				
31301-12			SAME AS ABOVE	ABANDON WELL NO 1 ABANDON 1945
PRE OR POST(Y,N)				
DISTANCE AND DIRECTION				
75'SW				
31301-13			READ BROS., INC.	CASE TRACTOR SALES AND SERVICE
PRE OR POST(Y,N)			408 EDWARD ST.	ONE 300 GAL. BURIED FUEL TANK
DISTANCE AND DIRECTION			HENRY, IL	ONE 300 GAL. ABOVE GROUND
830'N				
31301-14				DENTIST OFFICE
PRE OR POST(Y,N)			309 EDWARD	
DISTANCE AND DIRECTION			HENRY, IL	
320'NW				
31301-15				VACANT LOT
PRE OR POST(Y,N)				
DISTANCE AND DIRECTION				
300'NW				

INVENTORY & SYNOPSIS OF UNIT(S) & ASSOCIATED FACILITY OR SITE WITH  
WELL 31301

\*STATUS KEY

MIN.ZONE

PP=POTENTIAL PRIMARY  
 PS=POTENTIAL SECONDARY  
 RI=ROUTE  
 CC=CERTIFIED  
 XI=UNKNOWN

OUTSIDE MIN.ZONE

OP=POTENTIAL PRIMARY  
 OS=POTENTIAL SECONDARY  
 OR=ROUTE  
 CC=CERTIFIED  
 OX=UNKNOWN

WELL NO.	MAP CODE	*STATUS	NAME & ADDRESS OF UNIT OWNER	DESCRIPTION AND COMMENTS
31301-16 PRE OR POST(Y,N) DISTANCE AND DIRECTION 600'NE			DON'S SERVICE STATION 300 SCHOOL ST. HENRY, IL	GAS STATION THREE BURIED FUEL TANKS ONE 4010 GAL. ONE 6080 GAL. ONE 6957 GAL.
31301-17 PRE OR POST(Y,N) DISTANCE AND DIRECTION 300'N			FARM BUREAU FARM MANAGEMENT 509 FRONT ST	OFFICES
31301-18 PRE OR POST(Y,N) DISTANCE AND DIRECTION 400'NE			MOELLER'S AUTO REPAIR 500 FRONT ST. HENRY, IL	AUTO REPAIR SHOP
31301-19 PRE OR POST(Y,N) DISTANCE AND DIRECTION 200'NE				SITE OF TWO BURIED TANKS SIZE UNKNOWN ASSOCIATED WITH FORMER FORD GARAGE
31301-20 PRE OR POST(Y,N) DISTANCE AND DIRECTION 230'N				SITE OF POSSIBLE BURIED TANK GAS PUMP LOCATION 30 YEARS AGO

INVENTORY & SYNOPSIS OF UNIT(S) & ASSOCIATED FACILITY OR SITE WITH  
WELL 31301

\*STATUS KEY

MIN.ZONE

PP=POTENTIAL PRIMARY  
 PS=POTENTIAL SECONDARY  
 RI=ROUTE  
 CC=CERTIFIED  
 XI=UNKNOWN

OUTSIDE MIN.ZONE

OP=POTENTIAL PRIMARY  
 OS=POTENTIAL SECONDARY  
 OR=ROUTE  
 CC=CERTIFIED  
 OX=UNKNOWN

WELL NO.	MAP CODE *STATUS	NAME & ADDRESS OF UNIT OWNER	DESCRIPTION AND COMMENTS
31301-21 PRE OR POST(Y,N) — DISTANCE AND DIRECTION 250'NE		SMITH LUMBER CROMWELL ST. HENRY, IL	LUMBER WAREHOUSE
31301-22 PRE OR POST(Y,N) — DISTANCE AND DIRECTION 150'NE		CITY OF HENRY 426 EAST PARK HENRY, IL	COMMUNITY CENTER FORMER FORD GARAGE
PRE OR POST(Y,N) — DISTANCE AND DIRECTION			
PRE OR POST(Y,N) — DISTANCE AND DIRECTION			
PRE OR POST(Y,N) — DISTANCE AND DIRECTION			
PRE OR POST(Y,N) — DISTANCE AND DIRECTION			

# WELLHEAD SURVEY REPORT

SURVEYOR WHITE

SURVEY DATE 3-14-88

TOM MAUBACH  
426 EAST PARK  
HENRY, IL 61537


LOCATION:  
TWP, RNG, SECTION, 10 ACRE PLOT

13N / 10E / 16 / 2C  
DISTANCE FROM CORNER

1658N

1205W

QUAD SHEET CODE & NAME:

078D HENRY

MIN. SETBACK 400 FT.

MAX. SETBACK        FT.

AGE OF WELL 44

AGENCY WELL NO. 31302

WELL NAME & DESC. WELL NO. 4 WEST WELL

AT WTRWORKS

TAP 01

FACILITY NO. & NAME 1230050 HENRY

FAC. PHONE CONTACT 309 / 364 / 2755

GEOLOGIC SUSCEPTIBILITY RATING AX

WELL DEPTH 75 AQUIFER CODE 0101 MULTIPLE TAP (Y,N) Y

SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: SURVEY AREA PREDOMINANTLY COMMERCIAL

DOWNTOWN SECTION OF TOWN, AREA IS SLIGHTLY RESIDENTIAL. APPROXIMATELY ONE-THIRD OF SURVEY  
AREA IS THE ILLINOIS RIVER.

## INTERVIEW(S)

NAME-ADDRESS-AFFILIATION-TELEPHONE NO.

TOM MAUBACH, 426 EAST PARK, HENRY, IL SUPERINTENDENT, HENRY PUBLIC WORKS

MARGE HANKINS, 300 SCHOOL ST., HENRY, IL OWNER, DON'S SERVICE STATION

KEITH MOELLER, 500 FRONT ST., HENRY, IL OWNER MOELLER'S AUTO REPAIR

BOB READ, 408 EDWARD, HENRY, IL PARTNER, READ BROS., INC.

INVENTORY & SYNOPSIS OF UNIT(S) & ASSOCIATED FACILITY OR SITE WITH  
WELL 31302

\*STATUS KEY

MIN.ZONE

PP=POTENTIAL PRIMARY  
 PS=POTENTIAL SECONDARY  
 RI=ROUTE  
 CC=CERTIFIED  
 XI=UNKNOWN

OUTSIDE MIN.ZONE

OP=POTENTIAL PRIMARY  
 OS=POTENTIAL SECONDARY  
 OR=ROUTE  
 CC=CERTIFIED  
 OX=UNKNOWN

WELL NO.	MAP CODE *STATUS	NAME & ADDRESS OF UNIT OWNER	DESCRIPTION AND COMMENTS
31302-01		GEITNER MOTOR CO.	AUTO REPAIR
PRE OR POST(Y,N)	—	610 2ND ST.	
DISTANCE AND DIRECTION		HENRY, IL	
500'NW			
31302-02		JOHN WOSIK	LAW OFFICE
PRE OR POST(Y,N)	—	605 FRONT ST.	
DISTANCE AND DIRECTION		HENRY, IL	
240'NW			
31302-03		M&D PRINTING	WAREHOUSE PRINTING OPERATION
PRE OR POST(Y,N)	—	616 2ND ST.	MOVED TO ANOTHER SITE
DISTANCE AND DIRECTION		HENRY, IL	
500'NW			
31302-04		SAME AS ABOVE	BURIED FUEL TANK SIZE UNKNOWN
PRE OR POST(Y,N)	—		
DISTANCE AND DIRECTION			
380'NW			
31302-05			HOUSE
PRE OR POST(Y,N)	—	607 FRONT ST.	
DISTANCE AND DIRECTION		HENRY, IL	
275'NW			

INVENTORY & SYNOPSIS OF UNIT(S) & ASSOCIATED FACILITY OR SITE WITH  
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WELL NO.	MAP CODE	*STATUS	NAME & ADDRESS OF UNIT OWNER	DESCRIPTION AND COMMENTS
31302-06				
PRE OR POST(Y,N)			MIDWEST MECHANICAL	OFFICES, EQUIPMENT AND
DISTANCE AND			CONTRACTING INC.	MATERIAL STORAGE
DIRECTION			304 MAIN ST.	
350'NW			HENRY, IL	
31302-07				
PRE OR POST(Y,N)				SITE OF POSSIBLE BURIED
DISTANCE AND				FUEL TANK
DIRECTION				
320'W				
31302-08				
PRE OR POST(Y,N)			CITY OF HENRY	CITY POOL
DISTANCE AND			426 EAST PARK	
DIRECTION			HENRY, IL	
175'W				
31302-09				
PRE OR POST(Y,N)				INACTIVE WELL AT FORMER CREMERY
DISTANCE AND				
DIRECTION				
520'WSW				
31302-10				
PRE OR POST(Y,N)			CITY OF HENRY	TWO 500 GAL. BURIED FUEL
DISTANCE AND			426 EAST PARK	STORAGE TANKS
DIRECTION			HENRY, IL	
20'SW				

INVENTORY & SYNOPSIS OF UNIT(S) & ASSOCIATED FACILITY OR SITE WITH  
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 OS=POTENTIAL SECONDARY  
 OR=ROUTE  
 CC=CERTIFIED  
 OX=UNKNOWN

WELL NO.	MAP CODE	*STATUS	NAME & ADDRESS OF UNIT OWNER	DESCRIPTION AND COMMENTS
31302-11			CITY OF HENRY	ABANDON WELL NO. 2
PRE OR POST(Y,N)			426 EAST PARK	
DISTANCE AND			HENRY, IL	
DIRECTION				
80'SE				
31302-12			SAME AS ABOVE	ABAND. WELL NO. 1
PRE OR POST(Y,N)				
DISTANCE AND				
DIRECTION				
60'SE				
31302-13			READ BROS., INC.	CASE TRACTOR SALES AND SERVICE
PRE OR POST(Y,N)			408 EDWARD ST.	ONE 300 GAL. BURIED FUEL TANK
DISTANCE AND			HENRY, IL	ONE 300 GAL. ABOVE GROUND
DIRECTION				
820'N				
31302-14				DENTIST'S OFFICE
PRE OR POST(Y,N)			309 EDWARD	
DISTANCE AND			HENRY, IL	
DIRECTION				
320'N				
31302-15				VACANT LOT
PRE OR POST(Y,N)				
DISTANCE AND				
DIRECTION				
260'NNW				

INVENTORY & SYNOPSIS OF UNIT(S) & ASSOCIATED FACILITY OR SITE WITH  
WELL 31302

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OUTSIDE MIN.ZONE

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 OS=POTENTIAL SECONDARY  
 OR=ROUTE  
 CC=CERTIFIED  
 OX=UNKNOWN

WELL NO.	MAP CODE	*STATUS	NAME & ADDRESS OF UNIT OWNER	DESCRIPTION AND COMMENTS
31302-16-OS			DON'S SERVICE STATION	GAS STATION THREE BURIED FUEL
PRE OR POST(Y,N)				TANKS. ONE 4010 GAL., ONE 6080
DISTANCE AND				GAL., ONE 6957 GAL.
DIRECTION				
670'NNE				
31302-17			FARM BUREAU	OFFICES
PRE OR POST(Y,N)			FARM MANAGEMENT	
DISTANCE AND			509 FRONT ST.	
DIRECTION			HENRY, IL	
350'NE				
31302-18			MOELLER'S AUTO REPAIR	AUTO REPAIR SHOP
PRE OR POST(Y,N)			500 FRONT ST.	
DISTANCE AND			HENRY, IL	
DIRECTION				
450'NE				
31302-19				SITE OF TWO BURIED TANKS, SIZE
PRE OR POST(Y,N)				UNKNOWN ASSOCIATED WITH FORMER
DISTANCE AND				FORD GARAGE
DIRECTION				
290'NE				
31302-20				SITE OF POSSIBLE BURIED TANK
PRE OR POST(Y,N)				GAS PUMP LOCATION 30 YEARS AGO
DISTANCE AND				
DIRECTION				
260'NE				

INVENTORY & SYNOPSIS OF UNIT(S) & ASSOCIATED FACILITY OR SITE WITH  
WELL 31302

\*STATUS KEY

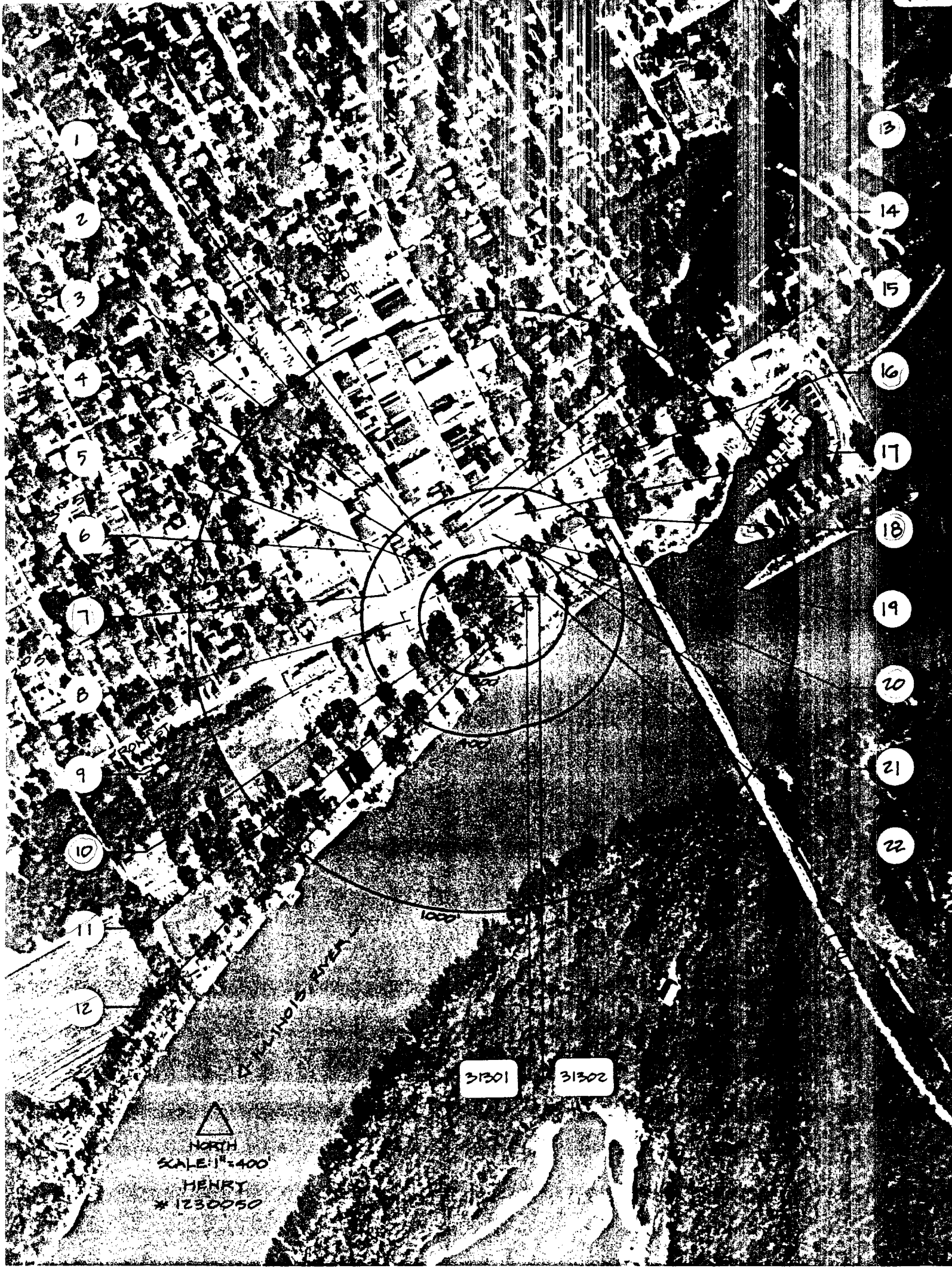
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OUTSIDE MIN.ZONE

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 OS=POTENTIAL SECONDARY  
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 OX=UNKNOWN

WELL NO.	MAP CODE	*STATUS	NAME & ADDRESS OF UNIT OWNER	DESCRIPTION AND COMMENTS
31302-21			SMITH LUMBER	LUMBER WAREHOUSE
PRE OR POST(Y,N)			CROMWELL ST.	
DISTANCE AND			HENRY, IL	
DIRECTION				
320'ENE				
31302-22			CITY OF HENRY	COMMUNITY CENTER FORMER
PRE OR POST(Y,N)			426 EAST PARK	FORD GARAGE
DISTANCE AND			HENRY, IL	
DIRECTION				
210'NE				
PRE OR POST(Y,N)				
DISTANCE AND				
DIRECTION				
PRE OR POST(Y,N)				
DISTANCE AND				
DIRECTION				
PRE OR POST(Y,N)				
DISTANCE AND				
DIRECTION				



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22

NORTH  
SCALE: 1"=400'  
HENRY  
\* 1230050

31301

31302

DOCUMENT B

# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

## DIVISION OF PUBLIC WATER SUPPLIES

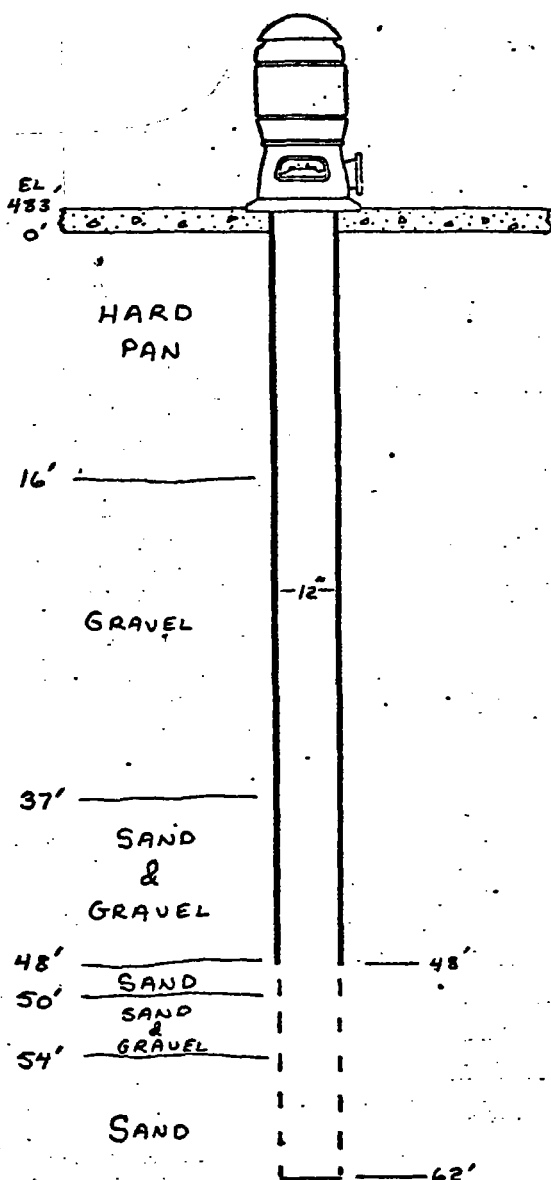
### Inventory Sheet

Supply: HENRY

Date inventoried 5/10/76

Sheet 2 of 18

Item: WELL 3



LOCATION: SEC 16 T 13 N R 10 E  
1620' N - 1080' W OF S.E. CORNER

#### CHRONOLOGY:

1936 DRILLED - 62 FT.

PUMP: AMERICAN WELL WORKS  
 OIL LUBRICATED LINE SHAFT  
 TURBINE, MODEL SC, SERIAL 60199,  
 12 INCH BOWLS, 4 STAGES, 500 GPM,  
 220 FT. T.O.H., 1750 RPM,  
 SET AT 40 FT

MOTOR: U.S. MOTORS, MODEL CFU,  
 SERIAL 136323, 40 HP, 1800 RPM,  
 3 PHASE, 60 CYCLE, 220/440 VOLT,  
 93/49 AMP, 40°C RATING

#### NOTES:

CASING VENT;  
 SAMPLE TAP;  
 AIR LINE WITH GAGE;  
 NO. 30 SLOT SCREEN;  
 AIR RELIEF

RECEIVED

OCT 21 1988

IEPA-DLPC

#### PRODUCTION DATA:

DATE	1938						
STATIC LEVEL-FT	18						
PUMPING LEVEL-FT	42						
PUMPING RATE-GPM	550						
SPECIFIC CAPACITY	23						

### MINERAL ANALYSES:

[illegible]

# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

## DIVISION OF PUBLIC WATER SUPPLIES

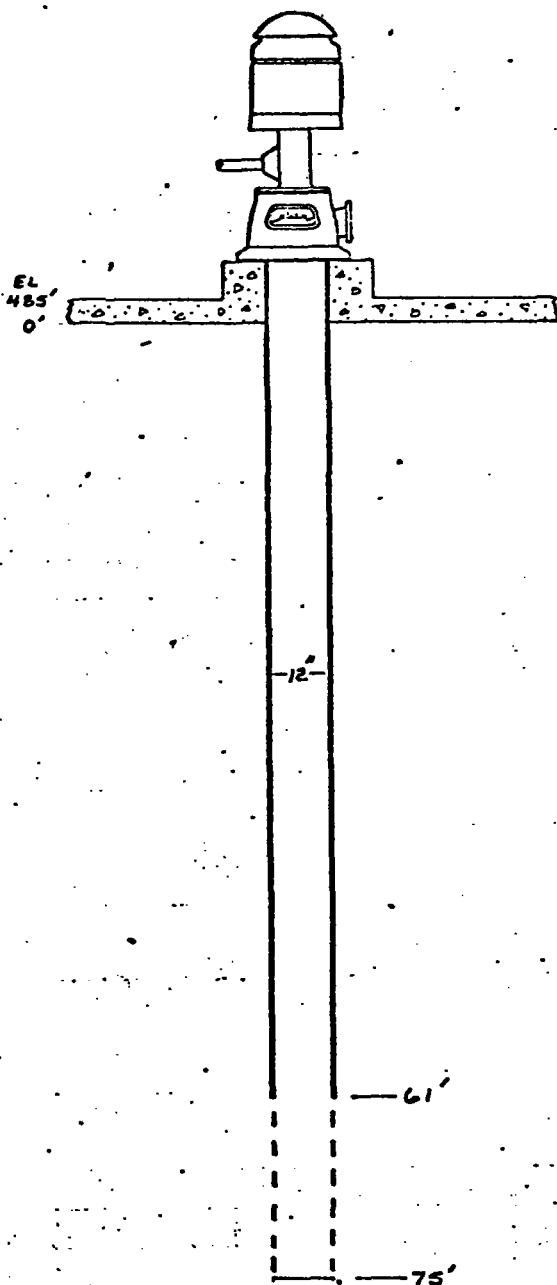
### Inventory Sheet

Supply: HENRY

Date inventoried 3/14/79

Sheet 4 of 18

Item: WELL 4



LOCATION: SEC 16 T 13N R 10E  
1658'N - 1205'W OF S.E. CORNER

#### CHRONOLOGY:

1944 DRILLED 75 FT  
 1978 New pump and Motor

PUMP: Layne & Bowler, line shaft  
 turbine, water lubed, SN: 83515,  
 500 gpm @ 245 TDH, set @ 60 ft,  
 10-inch bowls, 6 stages

MOTOR: General Electric  
 SN: CNJ309347, Model 5K6328XM500B  
 50 HP, 1750 RPM, Cont. Duty, SF 1.15,  
 230/460 Volt, 60 Hz, 3  $\phi$ , 128.4/64.2 amp,  
 40°C

#### NOTES:

SAMPLE TAP;  
 AIR LINE WITH GAGE;  
 JOHNSON RIGHT ANGLE DRIVE,  
 CONTINENTAL 6-CYL. ENGINE;  
 No. 30 SLOT SCREEN;

No. AIR RELIEF; CASING VENT

#### PRODUCTION DATA:

DATE	1948						
STATIC LEVEL-FT	30						
PUMPING LEVEL-FT	55						
PUMPING RATE-GPM	500						
SPECIFIC CAPACITY	20						

DOCUMENT C

FACILITY..	Facility Owner Name	Facility Location Address	Facility Location City	Facility Location County	Facility Manager or Contact Person	Manager or Contact Phone Number	Date Form Signed	No. Tanks
6-017351	Standard Oil Div Amoco Oil Co.	157 and 30	Salem	Marion	White, R. R.	(314) 567-9033	04-07-86	4
6-006007	Texaco Producing, Inc.	Selmaville Road	Salem	Marion	Burge, Paul	(618) 548-1803	03-24-86	1
6-006008	Texaco Producing, Inc.	RR #2	Salem	Marion	Burge, Paul	(618) 548-1803	03-24-86	1
6-002939	The Texas Pipe Line Company	2mi S/Hwy 50 on Selma ville Rd	Salem	Marion	Lee, R. E.	(618) 548-6068	03-05-86	1
6-020772	Union Pacific Railroad	RR 1	Salem	Marion	Van Trump, W.E.	(314) 621-1839	04-29-86	1
6-008156	Warfield Oil Co.	Box 528	Salem	Marion	Hardy, Tom	(999) 999-9999	03-23-86	2
6-008630	Warfield Oil Co.	638 E. Main	Salem	Marion	No Name	(618) 548-9816	04-30-86	4
6-012285	Warfield Oil Co.	Broadway and Church	Salem	Marion	Hall, James	(618) 548-3179	05-05-86	4
6-012286	Warfield Oil Co.	US 50 & Oilfield Rd.	Salem	Marion	Dye, L Ct	(615) 548-1625	05-05-86	2
6-012288	Warfield Oil Co.	I 57 & US 50	Salem	Marion	Overbeck, J.	(618) 548-6195	05-05-86	5
6-017529	World Color Press, Inc.	RR 4, Selma ville Road	Salem	Marion	Downs, Arnold A.	(618) 548-4010	09-21-87	6
6-015609	Yellow Freight System, Inc.	West Rte 50	Salem	Marion	Willis, Larry	(618) 548-4674	04-16-86	2
6-021581	Knapp Oil Co., Inc.	PO 532	Sandoval	Marion	Boothman, Richard	(618) 247-3277	05-06-86	2
6-008077	L. Keller Oil Properties	Hwy 51 and 50	Sandoval	Marion	Saale, Don	(618) 532-6774	04-28-86	3
6-021649	Martin & Bayley, Inc.	Hwy 51	Sandoval	Marion	Bayley, Mark	(618) 382-2334	05-05-86	2
6-008032	<del>Sandoval, Village of</del>	<del>unknown</del>	<del>Sandoval</del>	<del>Marion</del>	<del>unknown</del>	<del>(618) 247-3845</del>	<del>01-29-86</del>	<del>2</del>
6-010263	Star Service and Petroleum Co.	Rts. 50 & 51	Sandoval	Marion	Henson, Ed	(618) 532-2186	04-24-86	3
6-012289	Warfield Oil Co.	North Wye, US 50 & 51	Sandoval	Marion	Stock, Mike	(618) 247-3344	05-05-86	3
6-012912	Mobil Pipe Line Co.	Route 1	Vernon	Marion	Madolara, W.B.	(214) 658-2383	05-01-86	1
6-017695	<del>Centra lla, City of</del>	<del>RRS W 17th St Rd</del>	<del>Wamac</del>	<del>Marion</del>	<del>Lowery, Michael W.</del>	<del>(618) 533-7683</del>	<del>04-01-86</del>	<del>2</del>
6-009838	Illinois Central Gulf Railroad	South Jefferson St.	Wamac	Marion	Harmon, Jr., C.W.	(312) 565-1600	04-28-86	6

Non Responsive

3-018136	BF Goodrich Company	R R 1, Box 15	Henry	Marshall	Friesz, Diana	(309) 364-2311	10-23-87	8
3-015073	Grandview Service Co.	515 Lincoln St.	Henry	Marshall	Quinn, Robert	(309) 364-2352	04-18-86	5

Non Responsive

FACILITY	Facility Owner Name	Facility Location Address	Facility Location City	Facility Location County	Facility Manager or Contact Person	Manager or Contact Phone Number	Date Form Signed	No. Tanks
3-008163	Hunt's Lumber Co.	1013 Western Ave.	Henry	Marshall	Hunt, Stephen D.	(309) 364-2345	04-29-86	1
Non Responsive								
3-001056	Kewanee Airport Authority	RR 2 Kewanee Municipal Aprt.	Henry	Marshall	Anderson, Charles F.	(309) 853-8222	01-25-86	4
Non Responsive								
3-009449	M & D Printing Co., Inc.	616 Second St.	Henry	Marshall	Finfgeld, Richard M	(309) 364-2534	05-02-86	1
Non Responsive								
3-001906	Mid-West Sand & Gravel, Inc.	Rt. #1	Henry	Marshall	Henry, Jerry A.	(309) 399-7331	02-18-86	1
Non Responsive								
3-005396	Oxford, Township of	Unknown	Henry	Marshall	Bloomberg, Robert	(309) 334-2706	03-18-86	2
3-010417	Read Bros, Inc.	408 Edward	Henry	Marshall	Read, Robert L.	(309) 364-2336	04-29-86	2
3-016139	Rickey Sales & Service	1306 3rd St.	Henry	Marshall	Rickey, Ken	(309) 364-2585	05-30-86	1
Non Responsive								
3-006459	Shelton's West Side Sunoco	Rte 29	Henry	Marshall	Shelton, James	(309) 364-2887	03-20-86	3
3-006307	Strong Oil Co., Inc.	Rte 29	Henry	Marshall	Strong, Elmer O.	(309) 246-7255	03-26-86	4
3-008116	W R Grace & Co.	PO Box 213 Richard Rd.	Henry	Marshall	Green, W.B.	(309) 364-2361	04-29-86	2
Non Responsive								
3-010795	Wilbur Doyle Trust	RR 1, Box 78	Henry	Marshall	Doyle, Simm	(309) 364-3302	05-08-86	2
3-010928	Crow-Meadow-Pres. Church	Unknown	La Rose	Marshall	Shirley, Delbert	(309) 399-8720	07-04-86	1
3-017104	Hangartner Soil Service, Inc.	Box 74	La Rose	Marshall	Hangartner, Eugene	(309) 399-8290	04-16-86	1
3-001905	Mid-West Sand & Gravel, Inc.	Rt. 89	La Rose	Marshall	Henry, Jerry A.	(309) 399-7331	02-18-86	2
3-012182	Schumacher Trucking Corp.	Route 89	La Rose	Marshall	Schumacher, Dale	(309) 399-8601	05-06-86	1
3-002223	Vernon Henry, Inc.	PO Box 77	La Rose	Marshall	Henry, Vernon	(309) 399-8401	03-17-86	2
3-018689	Central Ill. Light Co.	319 Fifth St.	Lacon	Marshall	Burns, Steven L.	(309) 691-6615	03-27-86	3
Non Responsive								
3-017870	Deneen River Company, Inc.	Water Street	Lacon	Marshall	Budd, Melvin	(309) 246-2785	04-17-86	3
3-009709	Fifteen Club	RR 1	Lacon	Marshall	Guede, William H.	(999) 999-9999	05-04-86	1
Non Responsive								
3-005069	Lacon, City of	125 N. Main St.	Lacon	Marshall	Tyson, Jordan	(309) 246-6111	03-24-86	2
3-019522	Marshall County Airport	Unknown	Lacon	Marshall	Blase, Arthur J.	(309) 246-2870	04-11-86	4
3-018976	Marshall County Highway Dept.	1 1/2 Mi. S. Lacon on Rt. 26	Lacon	Marshall	Cramer, Emil F.	(309) 246-6401	04-08-86	1
3-011529	Marshall County Sheriff Dept.	520 Sixth Street Box 216	Lacon	Marshall	Webster, S.	(309) 246-2115	05-06-86	2
3-007307	Mid County Unit #4 Bus Garage	308 N. Main St.	Lacon	Marshall	Urbanski, Arthur L.	(309) 463-2309	04-28-86	1
3-001907	Mid-West Sand & Gravel, Inc.	Rt. 26	Lacon	Marshall	Henry, Jerry A.	(309) 399-7331	02-18-86	1

# Hazard Ranking System

Preliminary Score

Projected Score

*Confidential*

Facility Name : HENRY PUBLIC WELL 3

Location : CITY WATER WORKS BUILDING, HENRY

EPA Region : FIVE

Person(s) In Charge of the Facility : DAN ZEIGLER

426 EAST PARK ROW

HENRY, ILLINOIS 61537-0196

Name of Reviewer : JOHN MORGAN

Date : 12-2-88

General Description of the Facility :

(For example, landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)

HENRY PUBLIC WELL 3 IS ONE OF THREE WELLS THAT SUPPLY DRINKING WATER TO THE CITY OF HENRY. RESULTS FROM THREE QUARTERLY COLLECTED WATER SAMPLES INDICATE THE WELL IS CONTAMINATED WITH AN UNIDENTIFIED CHEMICAL COMPOUND WITH CONCENTRATIONS RANGING FROM 18ppb TO 200ppb. AS A RESULT OF THESE FINDINGS, A PRELIMINARY ASSESSMENT AND PRE/PROJECTED HRS SCORE WAS CONDUCTED FOR THIS UNDER THE PRE-REMEDIAL CERCLA PROGRAM.

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HRS Scores : Sm =29.36 (Sgw =48.98 Ssw =13.43 Sa = 0.00 )

Pro Scores : Sm =29.36 (Sgw =48.98 Ssw =13.43 Sa = 0.00 )

Figure 1  
HRS Cover Sheet

## HRS Ground Water Route Work Sheet

Rating Factor	Assigned Value	Multiplier	Score	Max. Score	Ref. Section
[1] Observed Release	0      45	1	45	45	3.1
If observed release is given a score of 45, proceed to line [4]. If observed release is given a score of 0, proceed to line [2].					
[2] Route Characteristics					
Depth to Aquifer of Concern	0   1   2   3	2	0	6	3.2
Net Precipitation	0   1   2   3	1	0	3	
Permeability of the Unsaturated Zone	0   1   2   3	1	0	3	
Physical State	0   1   2   3	1	0	3	
Total Route Characteristics score			0	15	
[3] Containment	0   1   2   3	1	0	3	3.3
[4] Waste Characteristics					3.4
Toxicity/Persistence	0   3   6   9   12   15   18	1	15	18	
Hazardous Waste Quantity	0   1   2   3   4   5   6   7   8	1	1	8	
Total Waste Characteristics score			16	26	
[5] Targets					3.5
Ground Water Use	0   1   2   3	3	9	9	
Distance to Nearest Well/Population Served	0   4   6   8   10   12   16   18   20   24   30   32   35   40	1	30	40	
Total Targets score			39	49	
[6] If line [1] is 45, multiply [1] X [4] X [5] If line [1] is 0, multiply [2] X [3] X [4] X [5]			2.8E	57,330	
[7] Divide line [6] by 57,330 and multiply by 100    S    = 48.98					

## HRS Surface Water Route Work Sheet

Rating Factor	Assigned Value	Multiplier	Score	Max. Score	Ref. Section
[1] Observed Release	0                  45	1	0	45	4.1
If observed release is given a score of 45, proceed to line [4]. If observed release is given a score of 0, proceed to line [2].					
[2] Route Characteristics					
Facility Slope and Intervening Terrain	0   1   2   3	1	3	3	4.2
1-yr. 24 hr. Rainfall	0   1   2   3	1	3	3	
Distance to Nearest Surface Water	0   1   2   3	2	3	6	
Physical State	0   1   2   3	1	3	3	
Total Route Characteristics score			15	15	
[3] Containment	0   1   2   3	1	3	3	4.3
[4] Waste Characteristics					4.4
Toxicity/Persistence	0   3   6   9   12   15   18	1	15	18	
Hazardous Waste Quantity	0   1   2   3   4   5   6   7   8	1	1	8	
Total Waste Characteristics score			16	26	
[5] Targets					4.5
Surface Water Use	0   1   2   3	3	6	9	
Distance to Sensitive Environment	0   1   2   3	2	6	6	
Distance to Water Intake Downstream	12   16   18   20   24   30   32   35   40		0		
Total Targets score			12	55	
[6] If line [1] is 45, multiply [1] X [4] X [5]					
If line [1] is 0, multiply [2] X [3] X [4] X [5]			8.6E	64,350	
[7] Divide line [6] by 64,350 and multiply by 100			S	= 13.43	

File Name : A:\hbw

HRS Air Route Work Sheet							
Rating Factor	Assigned Value			Multiplier	Score	Max. Score	Ref. Section
[1] Observed Release	0	45		1	0	45	5.1
Date and Location: Sampling Protocol:							
If line [1] is 0, the S a = 0, Enter on line [5] If line [1] is 45, then proceed to line [2]							
[2] Waste Characteristics							5.2
Reactivity and Incompatibility	0	1	2 3	1		3	
Toxicity	0	1	2 3	3		9	
Hazardous Waste Quantity	0	1	2 3 4 5 6 7 8	1		8	
Total Route Characteristics score						20	
[3] Targets							5.3
Population Within 4-Mile Radius	0	9	12 15 18	1		30	
Distance to Sensitive Environment	0	1	2 3	2		6	
Land Use	0	1	2 3	1		3	
Total Targets Score						39	
[4] Multiply [1] X [2] X [3]						35,100	
[5] Divide line [4] by 35,100 and multiply by 100 S a =							0

File Name : A:\hpw

PRO Ground Water Route Work Sheet									
Rating Factor	Assigned Value				Multi plier	Score	Max. Score	Ref. Section	
[1] Observed Release	0		45		1	45	45	3.1	
If observed release is given a score of 45, proceed to line [4]. If observed release is given a score of 0, proceed to line [2].									
[2] Route Characteristics									
Depth to Aquifer of Concern	0	1	2	3	2	0*	6	3.2	
Net Precipitation	0	1	2	3	1	0*	3		
Permeability of the Unsaturated Zone	0	1	2	3	1	0*	3		
Physical State	0	1	2	3	1	0*	3		
Total Route Characteristics score						0	15		
[3] Containment	0	1	2	3	1	0*	3	3.3	
[4] Waste Characteristics								3.4	
Toxicicty/Persistence	0	3	6	9	12	15	18		
Hazardous Waste Quantity	0	1	2	3	4	5	6	7	8
Total Waste Characteristics score						16	26		
[5] Targets								3.5	
Ground Water Use	0	1	2	3	3	9	9		
Distance to Nearest Well/Population Served	0	4	6	8	10	1	30	40	
Total Targets score						39	49		
[6] If line [1] is 45, multiply [1] X [4] X [5]									
If line [1] is 0, multiply [2] X [3] X [4] X [5]						2.8E	57,330		
[7] Divide line [6] by 57,330 and multiply by 100						S	= 48.98		

A '\*' represents a data gap between the Pre and the Pro

File Name : A:\hbw

PRO Surface Water Route Work Sheet									
Rating Factor	Assigned Value				Multiplier	Score	Max. Score	Ref. Section	
[1] Observed Release	0	45			1	45*	45	4.1	
If observed release is given a score of 45, proceed to line [4]. If observed release is given a score of 0, proceed to line [2].									
[2] Route Characteristics									
Facility Slope and Intervening Terrain	0	1	2	3	1	3	3	4.2	
1-yr. 24 hr. Rainfall	0	1	2	3	1	3	3		
Distance to Nearest Surface Water	0	1	2	3	2	3	6		
Physical State	0	1	2	3	1	3	3		
Total Route Characteristics score						15	15		
[3] Containment	0	1	2	3	1	3	3	4.3	
[4] Waste Characteristics								4.4	
Toxicity/Persistence	0	3	6	9	12	15	18		
Hazardous Waste Quantity	0	1	2	3	4	5	6	7	8
Total Waste Characteristics score						16	26		
[5] Targets								4.5	
Surface Water Use	0	1	2	3	3	6	9		
Distance to Sensitive Environment	0	1	2	3	2	6	6		
Distance to Water Intake Downstream	12	16	18	20	0				
	24	30	32	35	40				
Total Targets score						12	55		
[6] If line [1] is 45, multiply [1] X [4] X [5]									
If line [1] is 0, multiply [2] X [3] X [4] X [5]						8.6E	64,350		
[7] Divide line [6] by 64,350 and multiply by 100						S	= 13.43		

A "\*" represents a data gap between the Pre and the Pro

File Name : A:\hbw

PRO Air Route Work Sheet											
Rating Factor	Assigned Value		Multiplier	Score	Max. Score	Ref. Section					
[1] Observed Release	0	45	1	0*	45	5.1					
Date and Location: Sampling Protocol:											
If line [1] is 0, the S a = 0, Enter on line [5] If line [1] is 45, then proceed to line [2]											
[2] Waste Characteristics						5.2					
Reactivity and Incompatibility	0	1	2	3	1	3					
Toxicity	0	1	2	3	3	9					
Hazardous Waste Quantity	0	1	2	3	4	5	6	7	8	1	8
Total Route Characteristics score						20					
[3] Targets						5.3					
Population Within 4-Mile Radius	0	9	12	15	18	1	30				
Distance to Sensitive Environment	0	1	2	3		2	6				
Land Use	0	1	2	3		1	3				
Total Targets Score						39					
[4] Multiply [1] X [2] X [3]						35,100					
[5] Divide line [4] by 35,100 and multiply by 100 S a =						0					

A "\*" represents a data gap

Reference Log Sheet

- 1 IEPA, DIVISION OF PUBLIC WATER SUPPLY FILES
- 2 ILLINOIS MUNICIPAL DIRECTORY
- 3 USGS TOPOGRAPHIC MAP, HENRY QUADRANGLE
- 4 HRS MANUAL